

VideoMate S500

DVB-S USB 2.0 TV Tuner Box Start Up Guide

Compro Technology, Inc.
www.comprousa.com

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About This Guide

This manual tells you how to install and use your VideoMate S500 DVB-S USB 2.0 Tuner Box. More information is available on the User's Guides in the programs or on the CD.

About VideoMate S500 DVB-S Tuner Box

VideoMate S500 lets you watch and record free-to-air satellite TV broadcast on your PC. It features a TV tuner for satellite TV broadcast, remote power off, Digital Video Recording (DVR) functions, scheduled recording at anytime, crystal video quality, intelligent TV viewing, and a multi-function remote Control.

Additionally, VideoMate S500 also provides a Video capture function so that you can transfer videos from video devices, such as video cameras, to your PC.

MINIMUM SYSTEM REQUIREMENTS

Your PC must meet or exceed the following system requirements to watch TV on your PC.

- PIII 1.7 GHz CPU for SDTV viewing
- 512 MB RAM
- Sound Box or on-board sound chip
- Graphics Box or on-board graphics chip supports DirectX 9.0
- Available USB 2.0 port
- CD-ROM driver for software installation.
- Windows XP SP2, Vista 32 bit
(Not support 64 bit version of XP and Vista system)
- 50 MB free disk space for basic software installation.
- Digital Satellite TV Dish and LNB

RECOMMENDED SYSTEM REQUIREMENTS

To use all the features of VideoMate S500 USB 2.0 Box, your PC should meet the following requirements.

- P4 3.0 GHz CPU for HDTV viewing, recording, and PIP/POP feature
- 1.0 GB RAM
- Sound Box or on-board sound chip
- Graphics Box or on-board graphics chip supports DirectX 9.0
- Available USB 2.0 port
- CD-ROM for software installation
- Windows XP SP2, Vista 32 bit
(Not support 64 bit version of XP and Vista system)
- Update the latest drivers of VGA, motherboard, and sound box from vendors.
- 50 MB free space for software installation
- Digital Satellite TV Dish and LNB

Note

The VideoMate S500 DVB-S USB TV Box not support 64 bit version of Windows XP and Vista system.

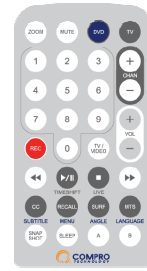
VideoMate S500 USB 2.0 Box Contents



VideoMate S500
USB 2.0 Box



Start Up
Guide



IR Remote Control
(batteries included)



Software CD



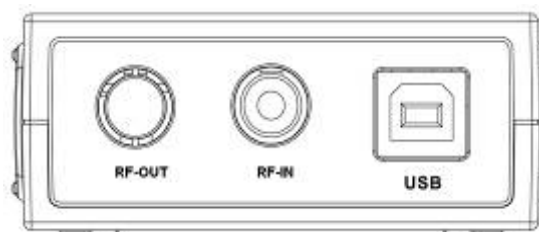
USB 2.0 cable



Power Adapter

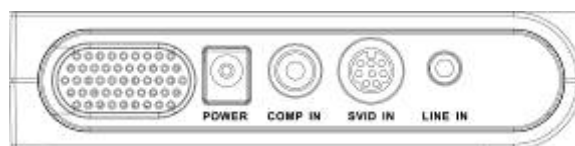
VideoMate S500 TV Box Connectors

BOX Back View



Name	Function	Description
RF-OUT	RF Connector	RF Signal out
RF-IN	RF Connector	RF Signal in
USB	USB Connector	To connect TV BOX and the PC with USB 2.0 cable

BOX Side View



Name	Function	Description
POWER	Power Connector	To use DC 12V 1A adapter to provide enough power
COMP IN	Composite video in	Composite video in connector, can connect to DVD, V8, Video Recorder
SVID IN	S-Video input connector	Video input connector can connect to video recorder, DVD, V8
LINE IN	Stereo sound input connector	Sound input connector can connect to video recorder, DVD, V8

Software Installation

Please power up your desktop or laptop PC and follow the steps to install the driver and software.

- Step 1. Please put the software CD into your optical drive. The software will auto running the setup program. (If you didn't see the software auto start, please running the "Setup.exe" in the disk.)
- Step 2. You can choose to install the "full installation" to install all the software (VideoMate S500 driver, ComproDTV, Compro IP Sink, ComproDVD 2) or choose by your own. We suggest you to use "full Installation".
- Step 3. Please follow the instruction to install the software
- Step 4. Please press "next " to install software such as ComproDTV
- Step 5. After installation, please press "Finish" to restart the PC.
- Step 6. After restart the PC, please connect the S500 and PC with USB 2.0 Cable. Windows will detect VideoMate S500 immediately and start to install the software in the driver CD.
- Step 7. Plug in the satellite cable.
- Step 8. Please launch the ComproDTV to enjoy it.

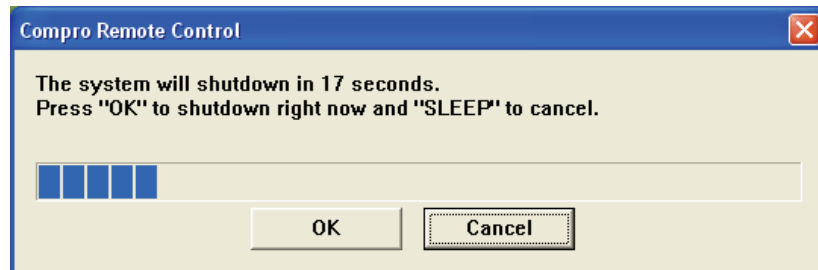
Note

Please plug the power adaptor to the VideoMate S500 USB TV box. It's necessary to use external power for VideoMate S500.

Remote Shut Down

There are two situations for the operation.

When not watching TV, i.e. no ComproDTV running:

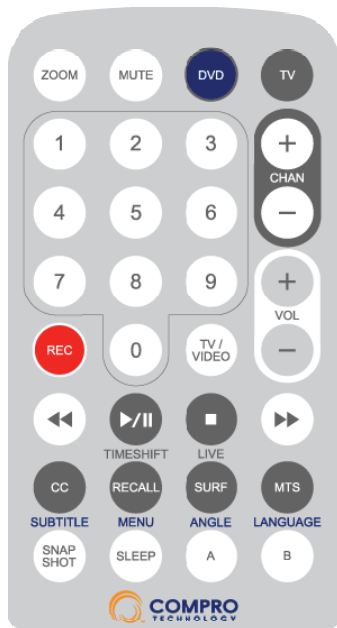


Just press the SLEEP button on the remote keypad, you will see a dialog as shown below. Program will countdown 20 seconds to shutdown the computer. If you don't want to shut down the computer, please press the SLEEP button again, in other words, pressing the SLEEP key a second time is the same as pressing the "Cancel" button. You may also use your mouse to press the cancel button. Press OK to immediately shutdown the computer.

When watching TV, i.e. ComproDTV is running:

Just press the SLEEP button on the remote keypad repeatedly, you will see the text on the screen turns to SLEEP OFF, SLEEP ON - 30 MINUTES, SLEEP ON - 1 HOUR, SLEEP ON - 2 HOURS, and SHUTDOWN. When the text shows SHUTDOWN, the program will countdown 20 seconds to shutdown the computer. If you don't want to shutdown the computer, please press the SLEEP button again.

Remote Control Key Definition and Use



Icon	ComproDTV 2	ComproDVD 2
ZOOM	Zoom In/Out	
DVD	Start/Stop ComproDVD 2	
TV	Start/Stop ComproDTV 2	
CHAN	Switch channels	Not used
VOL	Volume	Volume
REC	Record	Snapshot
TV/VIDEO	TV/ S-Video	Add to bookmark
Backward	Replay	Rewind
Play/Pause	Timeshifting	Playback
Stop	Stop	Stop
Forward	Advance	Forward
CC	Closed caption	Select language
RECALL	Previous channel	Not used
SURF	Channel surf	DVD angle
MTS	Mono/Stereo/SAP	Select language
Snapshot	Snapshot	Not used
SLEEP	Sleep function	AB repeat

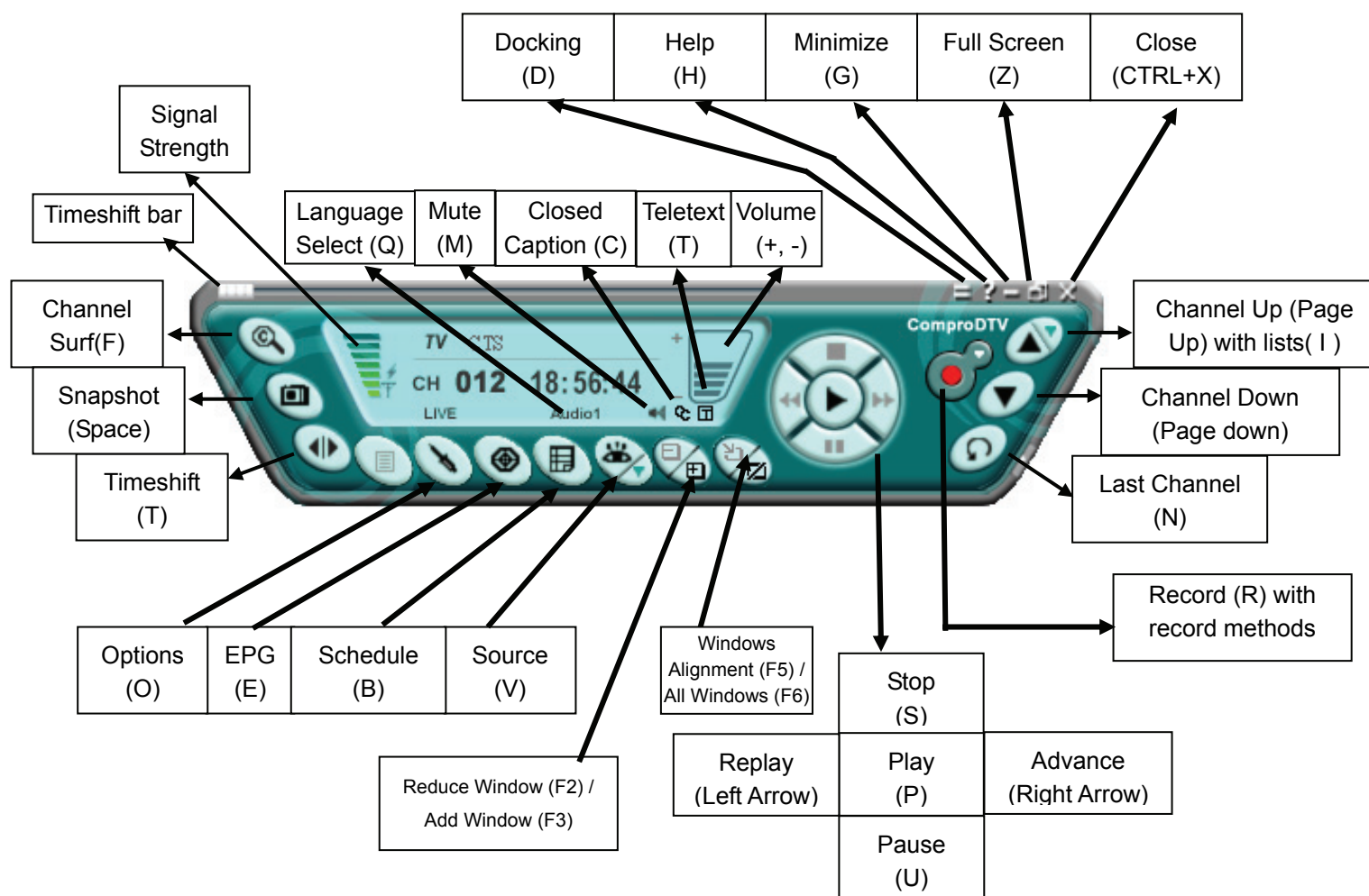
ComproDTV


Introduction

ComproDTV is a complete digital entertainment solution for your PC. Watch and record TV programs on your PC, in full-screen mode or in a window. Time shifting lets you watch TV, pause live TV, or review your favorite scenes without missing a minute of the program. Integrated de-interlacing technology assures the highest picture quality. And most of the features can be controlled with bundled remote control.

Control Panel


The ComproDTV control panel resembles the controls on a VCR. Keep in mind that not all options are available at all times, and may be grayed out or inaccessible depending on your hardware setup and TV services available. The following pages describe the ComproDTV control panel functions, and tips for using ComproDTV. The following figure gives you the function of the button with hot key



Icon	Hot Key	Description
	A	Enable/Disable Always-on-Top function for TV window.(Orange circle on the upper-right corner of the TV window)
n/a	L	Sleep function

Note: Language select is only available while the program supports it.

Options

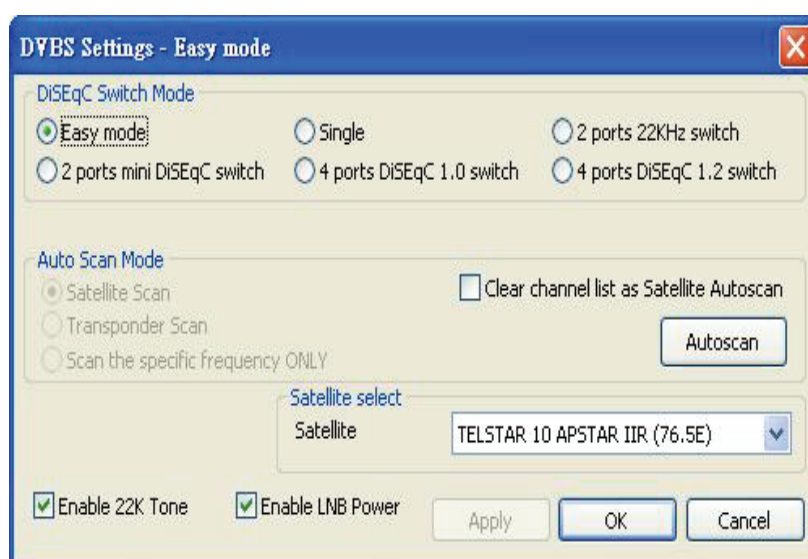
You can press the Options  button to open the Options dialog box. You can change detail settings of ComproDTV here.

Channel Scan

DiSEqC Switch Mode

1. Easy Mode

Easy Mode is for user who has connected the satellite signal directly to Satellite TV Box without passing through DiSEqC switch. Please select the satellite that your satellite dish have been aimed to and press “Autoscan” to scan channels.



2. Single

Single mode and rest of the mode are for user who wants to have advance settings like LNB, DiSEqC1.2 motor control and etc. It also has two other scanning modes like “Transponder Scan” and “Scan the specific frequency ONLY”.

Transponder Scan

This scanning mode is for you to specifically scan a transponder that you know instead of scanning the whole satellite. When scanning in this mode, it will add the channels you have scanned to your channel list. You will need to know some information on the transponder that you wish to scan first.

DVBS Settings - Single

DiSEqC Switch Mode

☐ Easy mode ☒ Single ☐ 2 ports 22KHz switch
☐ 2 ports mini DiSEqC switch ☐ 4 ports DiSEqC 1.0 switch ☐ 4 ports DiSEqC 1.2 switch

Auto Scan Mode

☐ Satellite Scan ☒ Transponder Scan ☐ Scan the specific frequency ONLY

☐ Clear channel list as Satellite Autoscans

Transponder List

[X]	Transponder
[X]	03680 MHz
[X]	03720 MHz
[X]	03736 MHz
[X]	03760 MHz
[X]	03780 MHz
[X]	03880 MHz
[X]	03921 MHz
[X]	04030 MHz
[X]	04033 MHz
[X]	04037 MHz
[X]	04050 MHz
[X]	04059 MHz
[X]	04127 MHz
[X]	04134 MHz
[X]	04149 MHz
[X]	04174 MHz
[X]	12280 MHz

Transponder Information

Satellite: TELSTAR 10 APSTAR IIR (76.5E)

Frequency: 12714000 KHz

Symbol Rate: 3000 KHz

Polarisation: Auto

Inner FEC Rate: Auto

Modulation: QPSK

Spectral Inversion: Auto

LNB setting

Low Oscillator: 11300000 KHz

High Oscillator: 11300000 KHz

LNB Switch: 0 KHz

☐ C-band ☐ Ku-band ☐ Universal ☒ Custom

DiSEqC 1.2 motor control

Reset to Zero Drive West Drive East

Storage position select: Storage position 1

Step: 0 ArcMin.

Store Goto Disable limit Limit West Limit East

☒ Enable 22K Tone ☒ Enable LNB Power

Apply OK Cancel

Scan the specific frequency ONLY

This scanning mode will specifically scan a frequency; usually used when the signal is weak and has been lost during other type of scanning mode.

LNB Settings

This settings need to follow the instruction from the Satellite's LNB spec. If you already have other working device that can receive the signal from the satellite (i.e. Set-Top Box) you may refer the settings for that device. If you still have problem with LNB settings, please contact your satellite dish provider for correct information.

DiSEqC1.2 motor control setting

Compro S500 supports DiSEqC 1.2 version. If you have installed motor that compatible to DiSEqC, it may aim to different satellite to receive different satellite's channels.

3. 2 ports 22KHz switch / 2 ports mini DiSEqC switch / 4 ports DiSEqC1.0 switch / 4 ports DiSEqC1.2 switch

These four settings are similar to Single mentioned above. The difference is these four settings have connected the LNB to the TV Box through a switch. Please refer to the picture in each setting to confirm which switch you are using, and then continue with the advance settings.

Each of these mode will have 2~4 tabs to switch between different satellites (i.e. under “4 ports DiSEqC1.2 switch” will have Port S1, Port S2, Port S3, and Port S4 tab)

DYBS Settings - 4 ports DiSEqC 1.2 switch

DiSEqC Switch Mode

☐ Easy mode ☐ Single ☐ 2 ports 22KHz switch
☐ 2 ports mini DiSEqC switch ☐ 4 ports DiSEqC 1.0 switch ☒ 4 ports DiSEqC 1.2 switch

Port S1 Port S2 Port S3 Port S4

Auto Scan Mode

☒ Satellite Scan ☐ Transponder Scan ☐ Scan the specific frequency ONLY

☐ Clear channel list as Satellite Autoscan

Autoscan

DiSEqC Switch Information

Transponder Information

Satellite: TELSTAR 10 APSTAR IIR (76.5E)

Frequency: 12278000 KHz

Symbol Rate: 22425 KHz

Polarisation: Auto

Inner FEC Rate: Auto

Modulation: QPSK

Spectral Inversion: Auto

LNB setting

Low Oscillator: 11300000 KHz ☐ C-band

High Oscillator: 11300000 KHz ☐ Ku-band

LNB Switch: 0 KHz ☐ Universal ☒ Custom

DiSEqC 1.2 motor control

Reset to Zero Drive West Drive East

Storage position select: Storage position 1 Step: 0 ArcMin.

Store Goto Disable limit Limit West Limit East

☒ Enable 22K Tone ☒ Enable LNB Power

Apply OK Cancel

Note

Compro S500 supports up to 4 ports DiSEqC switch. Before using auto scan, you may need to confirm the LNB connection and settings are correctly setup. After channel scanning, ComproDTV will receive the correspondent channels of the satellite. For information on above settings, please refer to your satellite installer.

**Please always press “Apply” before using
“Autoscan” and “DiSEqC motor control”.**

Channel Display

Pull-down list

Select all satellite TV channels or specific satellite TV only

Free to Air

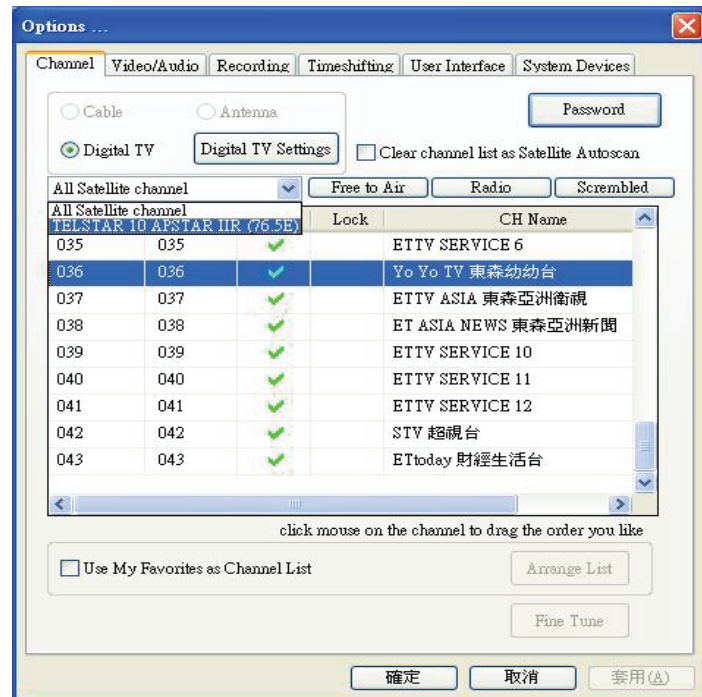
Only Free-to-Air channels

Radio

Only radio channels

Scrambled

Only scrambled channels



Note

After one of above selection made, only the selected list will be used by the channel up/down buttons on the control panel.

Channel Naming

You can customize the channel names by double-click on the **Description field** of the channel you wish to rename.

For digital TV channels, you can do more changes on the channel's property by right-click the mouse on the **Description field** of the channel for edit.


Set Mem+

During the **Autoscan** process, ComproDTV automatically detects and enables channels with a valid signal. By default, every available channel will be enabled and marked with the green ☒ icon. However, you can shorten the list of enabled channels to reduce channel-browsing time. Customize your list by enabling or disabling channels from the channel list by clicking on the green ☒ icon.

Disabled channels will not be shown when you use the channel Up and Down or channel surfing functions.

Set Lock (Parental Control)

By default, ComproDTV lets you access all available channels. A Parental Control feature allows you to restrict the viewing of certain channels altogether or during limited times.

You can lock a channel by clicking in the column labeled **Lock** next to the channel number you wish to restrict. You will then see a red check mark  in the box next to the channel. You can unlock it by clicking the check mark. To use this feature, you should first set a password.

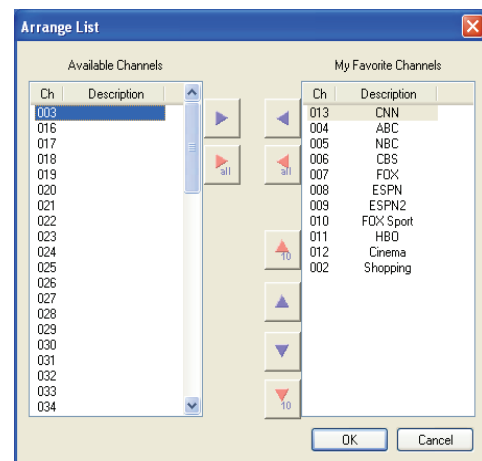
Password

There is no default password. If you like to change it, click on the **Password** button. Enter the old password in the field labeled **Old Password**. Then enter the new password in the field labeled **Password** and **Confirm**.

My Favorite Channels List

ComproDTV includes a channels sorting and re-ordering feature. Check the “Use My Favorites as My Channel Lists” checkbox. You can see the window below.


Select the channel you wish to add to “my favorite” and press the proper arrow button. You may double-click on the channel to move it as well. In addition, adjusts the channel order by using the proper arrow button.



Watching

After installation, just press the ComproDTV button on the remote or double click the ComproDTV icon on the desktop you will be able to watch TV. Same as operating a normal TV set. Watch TV programs on your notebook, in full-screen mode or in a window. Channel up and down. Close ComproDTV and even shutdown the computer with the full function remote control keypad.

Channel Surfing

While watching TV, you can press the channel surfing button  to multiple channel watching, the channel surfing feature displays a 4x4 grid of channel images to give you an overview of available programming.

Right-Click Mouse Menu


If using mouse to right-click on the TV screen, you can see a menu pop up. There are many useful options for your convenience.

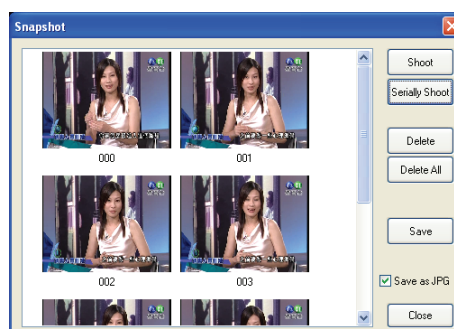
Zooming image

If you would like to see more details on a certain part of a video image, you can press the mouse right button to drag a zone of the screen. You will see the zoomed image.

Also you can press the mouse right button and move on the screen to shift the zoomed area of the image. Just click the mouse left button to resume normal mode.

Still Image Capture


Click on the capture icon  on the control panel or hit the "Space Bar" of the keyboard shortcut to capture an image of the display window. You can see the screen capture dialog as below.





Recording

ComproDTV is a digital video recorder and save the digital TV program to MPEG-2 and TS (Transport Stream) format to your hard disk.

To instantly start recording:

Press the **Record** button . ComproDTV starts recording the video source currently showing in the display window. It will save it to a file on your disk.

Press the **Stop** button  to stop recording. ComproDTV will save it automatically and show the file name on the screen.

You can also use the schedule recording by press **Schedule** button  on control panel of ComproDTV.

Note

The default folder of recorded file is on "My Document", you can change to another folder by entering the Options of ComproDTV.


Digital TV program is a fixed MPEG-II file format from TV station. ComproDTV will directly save them into your hard disk and can't transfer them to another format.

Playback

Press the **Play** button  to open the **Play** dialog box.

Timeshifting

Timeshifting temporarily saves the video to your hard disk for a specified period of time so that you can pause, replay, or skip commercials during live TV, without interrupting an ongoing recording session.


Press the **Timeshifting**  button and the Time Monitoring bar will appear.



You may also press the **Advance** (for commercial skip) and **Replay** (for instant replay) buttons on the control panel or remote control to navigate through the program. When you return to your seat, you can resume viewing the program from the point when you left.

PIP/POP (Picture In/Out Picture) mode


Usually, digital TV station broadcasts multiple programs on one frequency. Therefore, ComproDTV supports up to four windows watching additional TV program of same frequency on another window if available. You can press the


Add Window  button to open a sub window for that. Please see the following illustration.

Main window has all features while sub window has limited functions only. Double-click on the sub window can switch the TV program to the main window.

Double-click on the sub window can switch the TV program to the main window.



Alignment Window  button will put sub window(s) into main window which is convenient for you to watch multiple programs on full screen mode.

The buttons on the upper-left corner sub window  are Channel Up, Channel Down, Mute, Windows Alignment, and Close respectively. Sub window can be resized by mouse dragging lower-left corner to any ratio.



Note

Running additional windows consumes more CPU usage. If CPU usage reaches 100%, then video lag will occur. Please reduce the number of windows.

When main window changes the channel to another frequency, sub window(s) will move to available programs of another frequency. The sub window will show black if there is no additional program on this frequency.

Sub window has no full screen mode. Please double-click on sub window to switch program with main window in order to do so.

It is available to hear audio on multiple programs at the same time. You can mute or un-mute the sound of sub window(s) at any time. However, main window audio can't be muted separately from sub window(s).

Video Desktop

ComproDTV provides the new feature of Video Desktop, you can click right mouse button on the TV screen to open the dialog box and choose the Video Desktop mode. And you can set your TV watching screen as the live wallpaper; it's more convenient to watch TV and using other application on your Windows' desktop. It also supports PIP feature to watch TV and playback recorded video file at the same time.



Click the right button of mouse on TV display window to open dialog box, then choose “Video Desktop”

The Video Desktop feature also support Picture in Picture feature, and you still can do “Stop”, “Pause”, “Forward”, “Backward”, “Mute”, “Snapshot”, “Windows Alignment” and “Channel Up/Down” on the sub window.



ComproDVD 2

Introduction

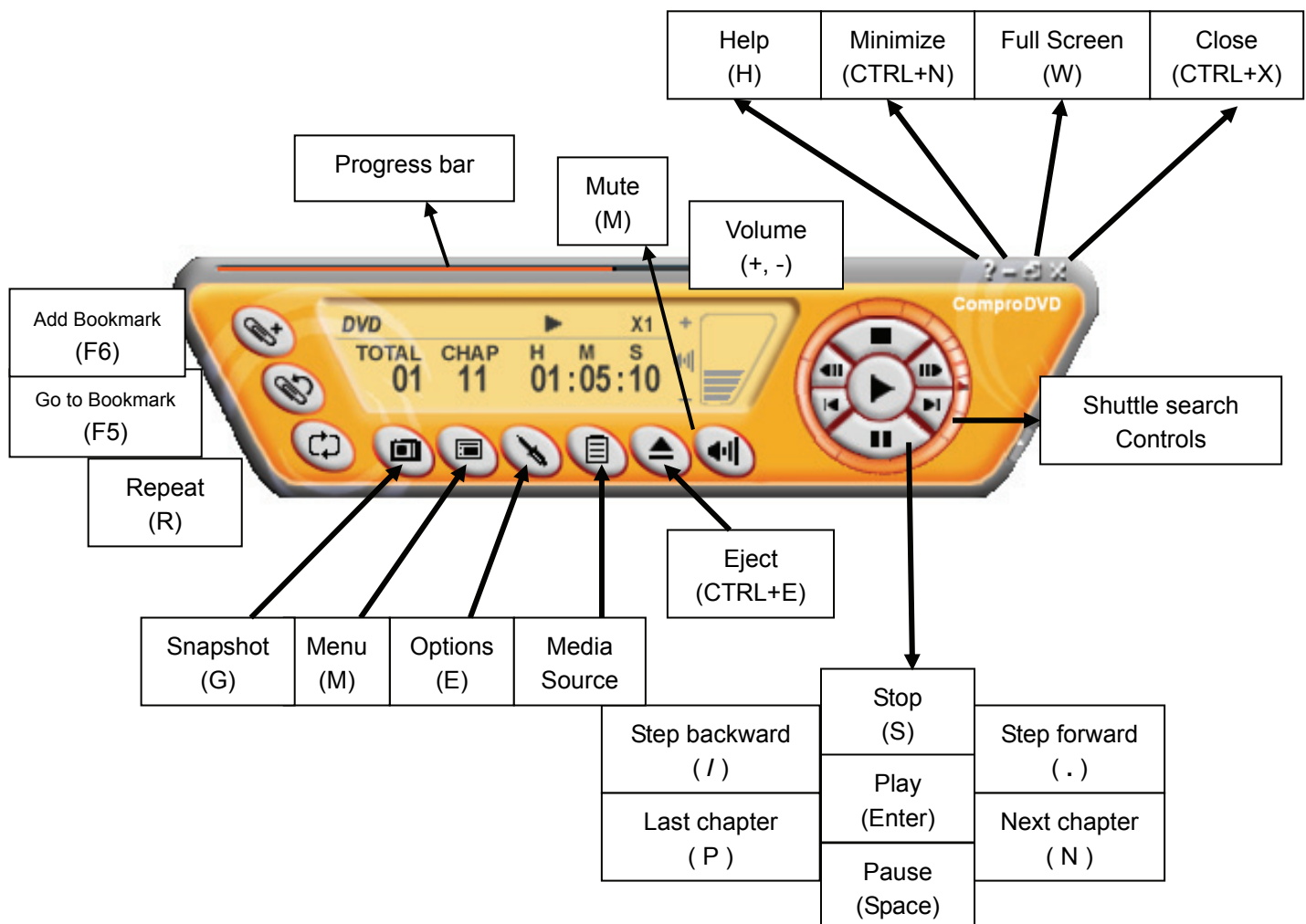
Stability, simplicity, and superiority. ComproDVD epitomizes these traits to the maximum and gives users all they wish for in a DVD player.

Note

This section provides basic information for ComproDVD. For more details, please check the help file of ComproDVD or the manual in the installation CD.

Control Panel

The following describe the ComproDVD control panel functions, and tips for using ComproDVD. The following figure gives you the function of the button with (Hot Key.)



Troubleshooting

OS requirement

VideoMate S500 has to work on Windows XP SP 2 and Vista 32 bit (not support 64 bit version of XP and Vista system). You are welcome to www.WindowsUpdate.com website for the Service Pack update of Microsoft.

Driver Installation

The most common cause of problems with the TV Tuner Box is incorrect installation of the TV capture and TV tuner drivers. If you have problems watching, recording, or timeshifting live TV, please check the status of the drivers with Device Manager.

You should see "VideoMate S500 Digital Device", in the "Sound, video and game controllers" section of Windows Device Manager.



If these drivers are not there, uninstalling and reinstalling the VideoMate S500 USB 2.0 Box drivers can help. Use the Add/Remove Programs Control Panel applet to uninstall the drivers. Reinstalling the drivers should fix this problem.

The recorded file from VCR has no sound?

Please plug VCR Composite video cable (yellow) into TV Box yellow connector. Composite **Audio** needs to connect to the Line-In port of your sound Box. You have to buy a converter (see the right) to transfer Composite Audio cable (red one and white one) into stereo. Choose Line-In to be your Recording Mixer in the Device System in Settings of ComproDTV.




How can I record as a different video format?

Digital program is a fixed MPEG-II format file already. ComproDTV can't change it and will save it into hard disk directly. Only analog video from composite or s-video input connect can be software encode to your choice of video format. You can do that in the record tab in settings of ComproDTV 2.

Why does the remote control fail?

The remote control sensor, which is plugged into the TV Box, may be loose. Please unplug it and plug it in again. You should also check the batteries of the remote control. Do not use rechargeable batteries.

Verify that the  IR icon (ComproRemote) is in the system tray on the lower-right corner of the screen. If you don't have ComproRemote on the system tray, start the following program:

C:\Program Files\ Common Files\VideoMate\ComproRemoteDTV.exe

Then you should see the icon on the system tray. The IR icon should turn bright when you press buttons on the remote.

If you see no response, please move your mouse cursor on the IR icon. If you see it shows "No Device," your drivers may not be properly installed. Please remove ComproDTV using "Add/Remove programs" in the Control Panel and reinstall it.

Some devices may emit the IR signals. Please check if there are any microwaves or lights that may be doing this. And make sure as few cables as possible are crossing the IR receiver.

Contacting Compro Technical Support

Before you submit an email for support, please check support FAQs on our web site. <http://www.comprousa.com/support>

You can download the latest update from our website. Many issues should be solved on the newer version. When contacting Compro for technical support, please use the Compro support request form and provide as much of the requested information as possible. Please write the details in order to determine the problem. And also provide the product serial number (15 digits numbers) on the USB 2.0 Box. Please use the form from below or email to support@comprousa.com.

<http://www.comprousa.com/support/form.htm>

Note

Make sure you include the information of hitting the button of "E-mail Info" in the Device Settings in Settings of ComproDTV in order to determine the problem. In order to solve the problem quickly, it is very important to provide as much detail as possible.

P/N: 3GA0310318